

**\* COMMON QUARTERLY EXAMINATION - 2024**  
**STANDARD - XII**  
**COMPUTER SCIENCE**  
**PART - I**

TIME: 3.00 hrs

MARKS:70

15x1=15

1. Answer all the Questions
1. The Variables in a function definition are called as  
 a) Subroutines    b) Function    c) Definition    d) Parameters
  2. A sequence of immutable objects is called  
 a) Built in    b) List    c) Tuple    d) Derived data
  3. Which members are accessible from outside the class?  
 a) Public members    b) Protected members  
 c) Secured members    d) Private members
  4. Binary Search is also called as  
 a) Linear Search    b) Sequential Search  
 c) Random Search    d) Half-interval Search
  5. Who developed Python?  
 a) Ritche    b) Guido Van Rossum  
 c) Bill Gates    d) Sunder Pitchai
  6. Which of the following is not a token?  
 a) Interpreter    b) Identifiers    c) Keyword    d) Operators
  7. How many important control structures are there in Python?  
 a) 3    b) 4    c) 5    d) 6
  8. Which Punctuation should be used in the blank?  
 if < condition > \_\_\_\_\_  
   statements - block 1  
 else  
   statements - block 2  
 a) ;    b) :    c) ::    d) !
  9. Which function is called anonymous un-named function.  
 a) Lambda    b) Recursion    c) Function    d) define
  10. Which of the following operator is used for concatenation?  
 a) +    b) &    c) \*    d) =
  11. The subscript of a string may be :  
 a) Positive    b) Negative    c) Both (a) and (b)    d) Either (a) or (b)
  12. If List=[17,23,41,10] then List.append (32) will result  
 a) [32,17,23,41,10]    b) [17,23,41,10,32]  
 c) [10,17,23,32,41]    d) [41,32,23,17,10]
  13. Let set A = {3,6,9}, set B = {1,3,9}. What will be the result of the following snippet?  
 Print (Set A / Set B)  
 a) {3,6,9,1,3,9}    b) {3,9}    c) {1}    d) {1,3,6,9}
  14. Functions defined inside a class:  
 a) Functions    b) Module    c) Methods    d) Section
  15. Which of the following method is automatically executed when an object is created?  
 a) --object--( )    b) --del--( )    c) --func--( )    d) --init--( )

(2)

## XII Computer Science

## PART - II

II Answer any six questions. (Question No.24 is compulsory)

6x2=12

16. Differentiate interface and implementation.
17. What is a Tuple? Give an example.
18. What is Mapping?
19. What is Sorting?
20. What is a literal? Explain the types of literals?
21. Write note on break statement.
22. What is function?
23. What is slicing?
24. What will be the value of x in the following python code?  

```
List 1 = [2,4,6,1,3,5]
x = len (List 1)
```

## PART - III

III Answer any six questions. (Question No.33 is compulsory)

6x3=18

25. Mention the characteristics of Interface.
26. Differentiate concrete data type and abstract data type.
27. List the characteristics of an Algorithm.
28. Explain Ternary Operator with examples.
29. Write the syntax of while loop.
30. Explain the recursive function with an example.
31. Write a note about count ( ) function in Python.
32. What are class members? How do you define it?
33. What will be the output of the following code?  

```
squares = [x**2 for x in range (1,10)]
print (squares)
```

## PART - IV

IV Answer all the Questions.

5x5=25

34. a) Explain with an example interface and implementation?  
(OR)  
 b) What is a List? Why list can be called as Pairs. Explain with suitable example?
35. a) Write any five characteristics of modules?  
(OR)  
 b) Explain the Bubble Sort algorithm with example?
36. a) Discuss in detail about Tokens in Python?  
(OR)  
 b) Write a detail note on It .. else .. elif Statement with suitable example?
37. a) Explain the different types of function with an example?  
(OR)  
 b) Explain about string operators in python with suitable example.
38. a) Explain the different set operations supported by python with suitable example?  
(OR)  
 b) Explain about constructor and destructor with suitable example.

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